



Joint Committee on Tactical Shelters November 2013

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Agenda

- R&D FYDP
- MAGTF
- View on Acquisition
- CEEMC
- Arctic Shelter
- Energy Efficiency



R&D FYDP

FAMILY OF SHELTERS AND SHELTERS EQUIPMENT R&D FYDP POSTURE

FY14	FY15	FY16	FY17	FY18	FY19
Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS	Explore new joint concepts with JOCOTAS
R&D to expand legacy rigid shelter in to an expandable shelter	R&D to expand legacy rigid shelter in to an expandable shelter	R&D concepts for TFSS decking	R&D concepts for TFSS decking	R&D concepts for TFSS decking	
E2 efficiencies	E2 efficiencies	E2 efficiencies			
Testing a SHC60K heater for use in an Arctic shelter	Testing for single-source heater	Testing for single-source heater			



Lighten the Marine Air-Ground Task Force (MAGTF)



- The Marine Corps is America's Expeditionary Force in Readiness — a balanced airground-logistics team. We are forward-deployed and forward-engaged: shaping, training, deterring, and responding to all manner of crises and contingencies.
- A Marine's mission is not achieved as an individual, but as an integrated unit. The United States Marine Corps is America's Expeditionary Force in Readiness, task organized as a MAGTF. The expeditionary ethos drives the way we organize, train, develop and equip our forces.
- Lighten the MAGTF through initiatives in developing, fielding, and integrating equipment, combat gear and systems.
- Lightening the load will reduce the energy footprint in the expeditionary environment.



Communication Electronics Equipment Maintenance Complex (CEEMC)



Capabilities Description

- Provide the warfighter with a Rigid Wall Shelter that is:
 - durable
 - expandable
 - energy efficient
 - interchangeable internal appointment modules
- Provide deployed Marine Forces with a full spectrum forward maintenance capability to repair and maintain mission essential communication electronics equipment

Program Overview

- AAO: 119
- Acquisition Category: AAP
- Program Initiation: 14 Apr 2009
- Last MS date: 03 Aug 2010
- Total program cost: \$55.7M
- Unit Cost: New: \$480K Refurb \$350K
- Fully Funded: Yes
- Contract Type: MIPR/FFP approved
- Contract Award Date: Multiple Award Dates

Technical Description

- 3-in-1 mobile communications maintenance facility
- Open square footage: 400 sq ft
- Modular Electrostatic Discharge workbenches
- Environmentally controlled workspace
- Electronics maintenance facility
- Can be joined together (complexed)
- SIPR/NIPR compatible
- 100 Amp, 3 phase, 4 wires with 1 ground



Arctic Shelter



Capabilities Description

- Four-season shelter that protects Marines from the effects of an extreme cold weather environment down to -25 degrees Fahrenheit
- Increase in size, volume, and headroom to accommodate 15 marines, their cold weather clothing and equipment, and to allow a squad with two additional personnel room for billeting, per the SON, change 2, dtd 30 Apr 13

Acquisition Description

- Requirement: SON, dtd 12 Mar 13, Change 3
- AAO: 1,696
- Program Initiation: 18 Nov 11
- Last MS date: MS C, 27 Feb 13
- Total program cost: \$14.8M
- Unit cost: \$7,374
- Fully Funded: Yes
- Contract Type: FFP
- Contract award date: 29 Mar 13

Technical Description

- Operational Temperature: -40° F to 125° F
- Weight: 147.75 lbs
- Height: 80 in.
- Floor Space: 279.3 sqft
- Snow Load: 4lbs/sqft
- Sustained Wind Gusts: 50 MPH
- Blackout Capabilities
- 3 year service life



Energy Efficiency



- Allow Marines to travel lighter — with less — and move faster through the reduction in size and amount of equipment and the dependence on bulk supplies
- Increase Energy Efficiency of Equipment
 - Increase the use of renewable energy
 - Upgrade legacy equipment
 - Increase the efficiency of equipment
 - Develop more energy efficient capabilities
 - Systems approach to identify the critical challenges and structure investment strategies to address them



Emerging Initiatives

- 10 Ft Single-side expandable Rigid Shelter
- Single-Source Heater
- Liners / decking
- Small Business Initiatives
- Managing serviceable non-excess shelters



QUESTIONS?